

1ST AND 2ND DROPS																										3RD AND 4TH DROPS																									
PROCESSING AND PROPERTIES INDEX																																																			
<p>Analysis of copper-nickel ore sample from "Nocil'sk II" deposit. V. Zemmel. Sovetskaya Zolotopromyshlennost' 1983, No: 5-4, 27-9. The compn. was <math>\text{SiO}_2</math> 42.02, Fe 4.00, <math>\text{FeO}</math> 10.78, <math>\text{Al}_2\text{O}_3</math> 17.55, <math>\text{CaO}</math> 8.68, <math>\text{MgO}</math> 8.93, <math>\text{MnO}</math> 0.14, <math>\text{TiO}_2</math> 0.62, <math>\text{K}_2\text{O} + \text{Na}_2\text{O}</math> 2.05, <math>\text{CO}_2</math> 0.10, <math>\text{S}</math> 3.38, <math>\text{SO}_2</math> 0.10, <math>\text{Cu}</math> 0.08, <math>\text{Ni}</math> 0.39 and <math>\text{Co}</math> 0.008%. The Cu is present as <math>\text{CuO}</math> 0.006, <math>\text{CuS}</math> 0.173 and <math>\text{CuFeS}_2</math> 1.017% and the Ni as <math>\text{NiO}</math> 0.089 and <math>\text{NiFeS}</math> 0.814%. Flotation gave Cu extn. 97-98% and Ni extn. 85%. The low yield of Ni is due to the fact that only 18% of it is in the oxide form.</p> <p>S. L. Madorsky</p>																										8																									
<p>AS - S.L.A. METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
<p>1ST AND 2ND DROPS</p>																										<p>3RD AND 4TH DROPS</p>																									

ZEMMEL', S.

20084

USSR/Local Budgets 4903.0500

Oct 1947

"The Question of Regulating Local Budgets," S.  
Zemmel', R. Lokshina, 3 pp

"Sov Finansy" Vol VIII, No 10

Reviews problem of local budgets. Authors defend present system of subsidization of some regions at expense of others. Answers arguments of Comrade Vozyakov as given in his article entitled "More Attention to the Question of Regulating Local Budgets" appearing in "Sovetskiye Finansy" No 3, 1947.

LC

20084

COMMON ELEMENTS		COMMON VARIABLE ELEMENTS	
BC		B-Z-6	
<p>Copper-nickel ore from Norilsk II deposit.  V. Zakharenko (Bayer. Zolotoprom., 1933, No. 3-4, 27-29).—Analytical data are given. Cu. Ans.</p>			
<p>ASR-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>STANDARD #1</p>		<p>STANDARD #2</p>	
<p>STANDARD #3</p>		<p>STANDARD #4</p>	
<p>STANDARD #5</p>		<p>STANDARD #6</p>	
<p>STANDARD #7</p>		<p>STANDARD #8</p>	
<p>STANDARD #9</p>		<p>STANDARD #10</p>	
<p>STANDARD #11</p>		<p>STANDARD #12</p>	
<p>STANDARD #13</p>		<p>STANDARD #14</p>	
<p>STANDARD #15</p>		<p>STANDARD #16</p>	
<p>STANDARD #17</p>		<p>STANDARD #18</p>	
<p>STANDARD #19</p>		<p>STANDARD #20</p>	
<p>STANDARD #21</p>		<p>STANDARD #22</p>	
<p>STANDARD #23</p>		<p>STANDARD #24</p>	
<p>STANDARD #25</p>		<p>STANDARD #26</p>	
<p>STANDARD #27</p>		<p>STANDARD #28</p>	
<p>STANDARD #29</p>		<p>STANDARD #30</p>	
<p>STANDARD #31</p>		<p>STANDARD #32</p>	
<p>STANDARD #33</p>		<p>STANDARD #34</p>	
<p>STANDARD #35</p>		<p>STANDARD #36</p>	
<p>STANDARD #37</p>		<p>STANDARD #38</p>	
<p>STANDARD #39</p>		<p>STANDARD #40</p>	
<p>STANDARD #41</p>		<p>STANDARD #42</p>	
<p>STANDARD #43</p>		<p>STANDARD #44</p>	
<p>STANDARD #45</p>		<p>STANDARD #46</p>	
<p>STANDARD #47</p>		<p>STANDARD #48</p>	
<p>STANDARD #49</p>		<p>STANDARD #50</p>	
<p>STANDARD #51</p>		<p>STANDARD #52</p>	
<p>STANDARD #53</p>		<p>STANDARD #54</p>	
<p>STANDARD #55</p>		<p>STANDARD #56</p>	
<p>STANDARD #57</p>		<p>STANDARD #58</p>	
<p>STANDARD #59</p>		<p>STANDARD #60</p>	
<p>STANDARD #61</p>		<p>STANDARD #62</p>	
<p>STANDARD #63</p>		<p>STANDARD #64</p>	
<p>STANDARD #65</p>		<p>STANDARD #66</p>	
<p>STANDARD #67</p>		<p>STANDARD #68</p>	
<p>STANDARD #69</p>		<p>STANDARD #70</p>	
<p>STANDARD #71</p>		<p>STANDARD #72</p>	
<p>STANDARD #73</p>		<p>STANDARD #74</p>	
<p>STANDARD #75</p>		<p>STANDARD #76</p>	
<p>STANDARD #77</p>		<p>STANDARD #78</p>	
<p>STANDARD #79</p>		<p>STANDARD #80</p>	
<p>STANDARD #81</p>		<p>STANDARD #82</p>	
<p>STANDARD #83</p>		<p>STANDARD #84</p>	
<p>STANDARD #85</p>		<p>STANDARD #86</p>	
<p>STANDARD #87</p>		<p>STANDARD #88</p>	
<p>STANDARD #89</p>		<p>STANDARD #90</p>	
<p>STANDARD #91</p>		<p>STANDARD #92</p>	
<p>STANDARD #93</p>		<p>STANDARD #94</p>	
<p>STANDARD #95</p>		<p>STANDARD #96</p>	
<p>STANDARD #97</p>		<p>STANDARD #98</p>	
<p>STANDARD #99</p>		<p>STANDARD #100</p>	

ZEMMRICH, Dieter (Leipzig)

From the 1964 Leipzig Spring Fair. Drevo 19 no.5:184-187 My  
'64.

ZEMMRICH, Dieter, (Leipzig)

Mottled veneer, a new material for furniture making. Drevo  
18 no.11:415 N'63.

ZEMMERING, M. N., KHENKIN, M. L., and KRESHCHANSKIY, N. S.

"Means of Improving the Mechanical Properties of Steel Castings." From the book, "Heat Treatment and Properties of Cast Steel." edited by N. S. Kreshchenovskiy, Mashgiz, Moscow 1955.

BERGMANIS, J., otv. red.; BRAKSS, A., red.; ZEMNIEKS, J., kand. ekonom.  
nauk, red.; ROZENBERGA, R., red.; LEMBERGA, A., tekhn. red.

[Agricultural economics] Lauksaimniecibas ekonomika. Riga,  
Latvijas PSR Zinatnu akad. izdevnieciba, 1961. 108 p.  
(MIRA 15:3)

1. Latvijas PSR Zinatnu akademija. Ekonomikas instituts.
2. Chlen-korrespondent Akademii nauk Latviyskoy SSR (for Bergmanis).

(Latvia--Agriculture--Economic aspects)

ZEMNIEKS, Janis

---

Obshchestvennoye zhevotnovodstvo i kormovaya baza kolkhov Latvyskoy SSR [Communal livestock raising and the forage base on the collective farms of Latvian SSR] Riga, Izd-vo Akademii Nauk Latvyskoy SSR, 1957.

167 p. tables.

At head of title: Akademiya Nauk Latvyskoy SSR. Institut Ekonomiki.

Bibliographical footnotes.



ZEMNITSKAYA, YE. D.

Valence (Theoretical Chemistry)

Employment of Mendeleyev's periodic table in the study of valence. Khim. v shkole No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

*Zemnit sky*  
POLAND/Soil Science. Physical and Chemical Properties of Soils. I-2

Abs Jour: Referat.Zh.Biol., No. 16, 25 Aug, 1957, 69010

Author : Zemnitskiy

Inst :

Title : The Change of Water Regimen of Soils with the Aid of  
Different Agrotechniques.

Orig Pub: Gospod. wodna, 1956, 16, No. 11, 505-508

Abstract: No abstract

Card 1/1

- 15 -

ZEMNIYEK, Ivan Ivanovich [Zemnieks, J.]; DZERVE, P.P., kand. ekonom. nauk,  
nauchnyy red.; MOTROV, A.A., kand. sel'khoz. nauk, nauchnyy red.;  
LEVI, S., red.; ZHUKOVSKAYA, A., tekhn. red.

[Communal animal husbandry and feed supply in Latvia] Obshchestvennoe  
zhivotnovodstvo i kormovaia baza kolkhovov Latviskoi SSR. Riga,  
Izd-vo Akad. nauk Latviskoi SSR, 1957. 167 p. (MIRA 14:11)  
(Latvia--Stock and stockbreeding)

ZEMNOI, V.

"Women amateurs of the radio club at Ivanovo." Tr. from the Russian. p. 107.  
(RADIO TECHNIKA Vol. 3, no. 5, May 1953. Budapest.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.

ZENNOI, V.

"Young girl members of the Ivanov radio club."

So. Radio, Vol. 3, p. 5, 1952

VLADIMIROV, D., rabochiy; ZEMNOY, Vs.

Defective suit. Sov. profsoiuzy 18 no.7:34-35 Ap '62.  
(MIRA 15:3)

1. Moskovskiy mashinostroitel'nyy zavod (for Vladimirov).
2. Neshtatnyy korrespondent zhurnala "Sovetskiye profsoyuzy"  
(for Zemnoy).

(Clothing industry)

ZEMNOY, V.

Make the motherland rejoice with our new successes. Kryl.  
rod. 2. no. 2:17 F '51. (MIRA 10:2)

(Airplanes--Models--Competitions)

ZEMNOY, V.

Radio - Ivanovo

Women-students of the Ivanovo Radio Club. Radio, 29, No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.



ZEMNOY, V.

Taxicab driver, passenger and public control. Sov. profsoiuzy  
20 no.3:25-27 F '64. (MIRA 17:3)

ZEMNOY, Vs.

They like sports aviation. Kryl.rod. 3 no.4:9 Ap '52.  
(Ivanovo Province--Aeronautics) (MLRA 8:8)

ZEMNOY, Vsevolod.

A remarkable work career. Zhil.-kom.khoz. 7 no.10:24-25 '57.  
(MIRA 10:10)

(Moscow—Water supply)

1 2774-66 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(s)/EWP(b)/EWA(h)/EWA(o)/ JD/NW

ACCESSION NR: AP5022012

UR/0286/65/000/014/0080/0080  
669.14.08.258

AUTHOR: Markin, S. V.; Tutov, I. Ye.; Prosvirin, K. V.; Shevelev, A. Ye.; Belkov, G. M.; Zemnukhov, I. F.

TITLE: A steel for pressing, Class 40, No. 173007

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 80

TOPIC TAGS: alloy steel, tungsten steel, chromium steel

ABSTRACT: This Author's Certificate introduces a steel for pressing which contains carbon, silicon, manganese, chromium, molybdenum, vanadium, tungsten and aluminum. The mechanical properties of the steel are improved by using the following composition (in %): 0.37-0.45 carbon; 0.4-0.6 silicon; 0.5-0.7 manganese, 2.5-3.0 chromium; 0.9-1.2 molybdenum; 0.6-0.8 vanadium; 1.0-1.4 tungsten; 0.4-0.6 aluminum.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya (Central Scientific Research Institute of Technology and Machine Building)

SUBMITTED: 07Feb64

ENCL: 00

SUB CODE: NN

NO REF SOV: 000

OTHER: 000

Card 1/1

ZEMNUKHOVA, H.V.

The sugar industry of Kazakhstan and prospects for its development.  
Trudy Inst. ekon. AN Kazakh. SSR 5:124-140 '60. (MIRA 14:9)  
(Kazakhstan--Sugar industry).

ZEMNUKHOVA, N.V.

Prospects for development of the sugar industry in Kazakhstan.  
Sakh.prom. 32 no.10:51-54 0 '58. (MIRA 11:11)

1. Institut ekonomiki AN KazSSR.  
(Kazakhstan--Sugar industry), (Kazakhstan--Sugar beets)

ZEMNUKHOVA, N. V.

~~Brief reports.~~ Sakh. prem. 32 no.11:51 N '58.  
(Dzhambul Province--Sugar beets)

(MIRA 11:12)

ZEMNUKHOVA, N.V.

Kazakhstan may become an important base for beet-sugar production. Sakh.prom. 33 no.9:32-35 S '59. (MIRA 13:1)

1. Institut ekonomiki AN KazSSR.  
(Kazakhstan--Sugar industry)



ZEMPLE, Bela, dr.,; ELDUS, Laszlo, dr.,; KOVATSITS, Mate.

Studies on a testosterone preparation with lasting effects.  
Orv. hetil. 96 no.51:1409-1411 18 Dec 55.

1. A Kórházi Gyógyszerárnyag Biológiai Laboratóriumának (vezető:  
Zemplén Béla dr.) és a Budapesti Orvostudományi Egyetem  
Tudománygyógyászati Klinikájának (igazgató: Kovács Ferenc dr. egyet.  
tanár) közleménye.

(TESTOSTERONE, deriv.

phenylpropionate, evaluation in castrated rats, long  
lasting eff. (Hun))

BULCSU, Gyula,; MIDUS, Laszlo,; RHITMANN, Ferenc,; SZUCS, Sandor,;  
ZEMPLEN, Bela.

Investigations on tuberculostatic effects of certain new hydrazide-  
derivatives. Kiserletes orvostud 7 no.4:413-417 July 55.

1. Budapesti Orvostudományi Egyetem Tudománygyógyászati Klinikája és  
Kobányai Gyógyszerárnyag.

(HYDRAZINE, derivatives,  
tuberculostatic)

(NICOTINIC ACID ISOMERS,  
isoniazid deriv.)

BACH, I.; FARKAS, K.; ZEMPLÉN, B.

Anterior pituitary and diuresis. Kiserletes orvostud. 4 no. 6:416-  
421 Dec 1952. (CJML 24:1)

1. Peterffy Sándor-utcai and Ussoki-utcai Hospitals and Biology Laboratory of Kobányai Pharmaceutical Plant.

EIDUS, L.; FEKETE, B.; SOLYMOSS, B.; ZEMPLEN, B.

Thyreostatic effect of thiosemicarbazones. Orv. hetil. 93 no. 7:  
222-224 17 Feb 1952. (CML 23:3)

1, Doctors. 2. Biological Laboratory (Head -- Prof. Dr. Bela Zemplen)  
of Richter Pharmaceutical Plant and Central Laboratory (Head Physician  
-- Prof. Dr. Gyorgy Romhanyi), Szombathely General Hospital.

ZEMPLÉN, B.; SOLYMOSS, B.; FEKETE, B.; EIDUS, L.

Experimental data on the goiter-inducing effect of 5-monoethylthiobarbituric acid and 5, 5-diethylthiobarbituric acid. Orv. hetil. 93 no. 38:1095-1096 21 Sept 1952. (OIML 23:5)

1. Doctors. 2. Biological Laboratory (Head -- Prof. Dr. Bela Zemplén), Richter Pharmacology Plant and Central Laboratory (Head Physician -- Prof. Dr. György Romhányi), Szombathely General Hospital.

ZEMPLÉN, B.

FARKAS K., BACH I., BRAUN S., ZEMPLÉN B.

Hypophysis elulsolebenymukodes ea diuresis. <sup>Diuresis and</sup>  
the function of the anterior pituitary lobe/ Kiserletes  
orvostud. 2:1. 1950 p. 38-42.

1. Hospitals of the National Institute for Social Insurance  
located at Peterffy Sandor Street and at Uzsoki Street  
and the Research Laboratory of Richter Pharmaceutical  
and Chemical Factory, Budapest.

CIML 19, 2, Aug. 50

ZEMPLÉN, B.

BACH, I.; BRAUN, S.; FARKAS, K.; ZEMPLÉN, B.

Diuresis and the function of the anterior pituitary lobe.  
Kiserletes orvostud. 2 no.1:38-42 '50. (CML 19:2)

1. Hospitals of the National Institute for Social Insurance  
located at Peterffy Sandor Street and at Uzsoki Street and  
the Research Laboratory of Richter Pharmaceutical and Chemical  
Factory, Budapest.

HUNGARY / Human and Animal Physiology. Inner Secretion.

T-7

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No: 3556

Author : Zemplen, B.; Somos, P.; Nuridsany, J.

Inst : Not given

Title : Biological Determination and Explanation for the  
Presence of Melanophoric Hormone in ACTH Preparations

Orig Pub : Acta pharmac. hung., 1957, 27, No 1-2, 62-65

Abstract : ACTH preparations, developed by various methods, act differently on the melanocytes and on the ascorbic acid concentration of the adrenals. ACTH and melanophoric hormone reveal different degrees of stability when treated with alkalines, ACTH being destroyed in this process. Upon introduction of the melanophoric hormone, the amount of ascorbic acid in the adrenals is not changed and there is no hypertrophy of the adrenals. -- Ya. Dzvon'ar

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PROCESSES AND PROPERTIES INDEX																									
<p>The distribution of amino acids in the blood in health and disease. SANDOR SIMON AND BELA ZIMPLAN. <i>Magyar Orvosi Arch.</i> 32, 338-34; <i>Arch. exp. Path. Pharmacol.</i> 161, 478-84(1931); cf. <i>C. A.</i> 25, 3050.—The authors investigated 91 cases and found that the amino acid N in the corpuscles and the ratio blood amino acid N to plasma amino acid N is higher in women than in men, both in health and disease. The increase of the ratio is not specific for anemia. H. TAUBNER</p>																									
<p>ASH-55A METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>																									

ZEMPLÉN, BELA,  
IMRE BACH, Kiserletes Orvostudomány 2, 32-42 (1950)

IT AND THE OTHERS										IND AND THE OTHERS									
PROCESSES AND PROPERTIES INDEX																			
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<p>Porphyria in liver diseases. Béla Zemplén and Oliver Riedl (Univ. Budapest, Hungary). <i>Orvosi Hetilap</i> 87, 267-9 (1943).—Coproporphyrin, detn. in the urine by the method of Fikentscher (detn. of the intensity of fluorescence), seems to increase in proportion to the severity of liver disease. Coproporphyrinuria decreased in convalescence from parenchymal and mechanical icterus but was demonstrable even after all symptoms of jaundice disappeared. In cirrhosis continually high contents of coproporphyrin were observed. Normal or below-normal figures were obtained in hepatorrhagia. The detn. of porphyrin in urine does not serve to distinguish various kinds of jaundice. István Földi</p>																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
MATERIALS INDEX										CHEMISTRY INDEX									
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ZEMPLÉN, F.

G.

HUNGARY/Organic Chemistry - Natural Compounds and Their Synthetic Analogues.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 53990  
 Author : Zemplén, Farkash  
 Inst :  
 Title : Synthesis of Prunitrin.  
 Orig Pub : Magyar Kem. folyoirat, 1957, 63, No 10, 271-272

Abstract : Prunitrin (I), the glucoside previously separated from *Prunus serotina* L. (Finnemore, H., Pharm. J., 1910, 31, 604), and aglucone prunetin (II) were synthesized in order to determine the exact position of the methoxy group.  
 Two grams of potassium carbonate and two ml of methyl iodide were added to two grams of sophoricoside (genisteine glucoside) suspension in 30 ml of acetic acid, and the mixture was heated for five hours. After acidification with glacial acetic acid, the residue was dried

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HUNGARY/Organic Chemistry - Natural Compounds and Their Synthetic Analogues.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420009-6"

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 53990

and was extracted with ethyl acetate. I separated as an oily product (upon the addition of a little of water), and after 3-4 days it crystallized out in the form of small rods. This material in an alcohol solution produced a bright red color with ferric chloride. Its melting point was 235-236°C,  $[\alpha]_{20D}^{25} = -15.40$  (pyridine). After boiling 0.2645 grams of I in 15 ml of 50% methanol (3 hours) with 40 ml of 10% sulfuric acid for three hours, 0.1395 grams of II (5,4'-dihydroxy-7-methoxyisoflavone) was obtained, m. p. 239-240°C. The acetylation of a pyridine solution of II gave the corresponding diacetate of II (5,4'-diacetoxy-7-methoxyisoflavone), m. p. 226-227°C. The methylation (with methyl iodide) of a methanol solution of II yielded methyl-II (7,4'-dimethoxy-5-hydroxyisoflavone),

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Card 3/3

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ZEMPLEN, G.

DECEASED

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Chemistry

see ILC

ZENTLEN, J.

Determination of the inner frictional coefficient of bitumens.

p. 325. (MAGYAR RIZIKAI FOLYOIRAT) Vol. 5, no. 4, 1957  
Budapest, Hungary

SO: Monthly Index of East European Accessions (IEAI) LC, Vol. 7, No. 3,  
1958 (March)

M. / Zemplen, Jolan, a fizikai tudományok kandidátusa, egy.docens

Mikhail Vasilevich Lomonosov, the physicist, 1711-1765. Magyar Tud. 69 no.1:1-8 Ja '62.

1. Építőipari és Közlekedési Műszaki Egyetem, Budapest.

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
<div style="display: flex; justify-content: space-between;"> <span>ca</span> <span>3</span> </div> <p>The Zeeman effect of atmospheric oxygen bands.            Jolán M. Zemplén. <i>Math. naturf. Ass. ungar. Akad. Hitt.</i> 80, 373-00(1937).--A <math>\gamma</math>-ray electromagnet made possible the photography of the Zeeman effect in the atm. O bands. Since the absorption layer was 80 cm. thick at a pressure of 8-10 atm. the no. of O<sub>2</sub> mols. was high enough to permit the observation of the influence of the magnetic field on the <math>\Sigma \leftarrow \Sigma</math> bands. The Zeeman effect of the <math>\Sigma</math> term could also be calcd. on the basis of theoretical considerations and the data obtained agreed well with the exptl. results. S. S. de Finály</p>																																																			
ASH-ILA METALLURGICAL LITERATURE CLASSIFICATION																																																			
<div style="display: flex; justify-content: space-between;"> <div> <p>1ST AND 2ND ORDERS</p> <p>3RD AND 4TH ORDERS</p> </div> <div> <p>5TH AND 6TH ORDERS</p> <p>7TH AND 8TH ORDERS</p> </div> </div>																																																			



ZEMPLÉN, Jolan

From theory to technology; induction, electrical engineering,  
radio. Elet tud 18 no.31:981-984 4 Ag '63.

ZEMPLEN, Jolan M.; WASILEWSKI, K. [translator]

N.Copernicus and Hungary. Kwart hist nauki i tech 7 no.3:  
259-284 '62.

M. ZEMPLÉN, Jolan

Copernicanism and its spread in Hungary. I. (To be contd.). Fiz szemle  
10 no.7:213-219 JI '60.

1. Építőipari és Közlekedési Műszaki Egyetem Kísérleti Fizikai Intézete.

M.ZEMPLÉN, Jolan

Copernicanism and its spread in Hungary. II. Fiz szemle 10 no.8:245-  
252 Ag '60.

ZEMPLEN, M. J.  
M. ZEMPLER, Johan

Mikhail Lomonosov: a pioneer of modern physical chemistry.  
Elet tud 16 no.6:163-166 5 F '61.

HUNGARY / Chemical Technology. Chemical Products H-23  
and Their Applications. Chemical Process-  
ing of Natural Gases and Petroleum. Motor  
and Rocket Fuel Lubricants.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 9787.

Author : Zemplen, M., Szabo, P.

Inst : Not given.

Title : Determining the Viscosity of Bitumens.

Orig Pub: Magyar fiz. folyoirat, 1957, 5, No 4, 325-341.

Abstract: An instrument is described for determining absolute viscosity ( $\eta$ ) of bitumens at relatively low temperatures (300) by a capillary pressure method (20 kg/cm<sup>2</sup>). The order of  $\eta$  magnitudes of bitumens obtained by this instrument coincides well with the literature data. A study was made

Card 1/2

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*Zemplen, Jolan, M.*

HUNGARY/Atomic and Molecular Physics - Liquids

D-8

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13022

Author : Zemplen M. Jolan, Szabo Pirooska

Inst : Not Given

Title : Determination of Viscosity of Bitumens

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 4, 325-341

Abstract : No abstract

Card : 1/1

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PETERFFY, Laszlo, dr.; ZEMPLÉNI, Béla, dr.

Decompression of malignant exophthalmos. Ful-orr-gegyogy 7 no.2:  
97-102 Je '61.

1. A Szabolcs-Szatmarmegyei Tanács Kórháza (Nyíregyháza) Ful-orr-  
gegyosztályának (Főorvos: Peterffy László dr.) és Szemosztályának  
(Főorvos: Zempléni Béla dr.) közleménye.

(EXOPHTHALMOS surg)



ZEMPLÉNI, Béla; TARNOTZKY, Klara; EGYUD, Kamillo

Disorders of the eye in massive poisoning with methyl alcohol.  
Szemeszet 98 no.3:136-140 S '61.

1. A Szabolcs-Szatmar Megyei Tanács kórháza (igazgató főorvos: Lengyel  
Ferenc) szemészeti osztályának (főorvos: Zempléni Béla) közleménye.

(ALCOHOL METHYL toxicol) (EYE pathol)

ZEMPLENYI, T.

Some recent advances in lipid metabolism in relation to atherosclerosis. Rev. Czech. M. 6 no.1:43-58 1960

1. Institute for Cardiovascular Research, Prague-Krc. Director: Professor K. Weber.

(ATHERIOSCLEROSIS, metab.)

(LIPIDS, metab.)

ZEMPLENYI, Imre, dr., orvos (Karancskeszi)

Hygiene of agriculture. Term tud kozl 5 no.8:358-360 Ag '61.

ZEMPLENYI, T.; KNIZKOVA, I.; LOJDA, Z.; MRHOVA, O.

The group-specific carboxylic esterase activity of aortic tissue.  
Cor vasa 5 no.2:107-113 '63.

1. The Institute for Cardiovascular Research, and the Angiological  
Laboratory of Charles University, Prague.

(AORTA)	(ESTERASES)	(RATS)	(RABBITS)
(POULTRY)	(METABOLISM)		

ZEMPLENYI, T.; GRAFNETTER, D.; LOJDA, Z.; MRHOVA, O.

A study of metabolic factors involved in atherosclerosis. Rev.  
czech. M. 8 no.2:124-132 '62..

1. Institute for Cardiovascular Research, Prague; Director: Academician  
K. Weber -- Institute of Embryology, Charles University, Prague;  
Director: Prof. Z. Frankenberger.  
(ARTERIOSCLEROSIS metabolism) (LIPIDS metabolism)

FODOR, J.; ZEMPLENYI, T.; LOJDA, Z.; FABRY, P.

The role of mast cells in lipid metabolism. Rev. czech. M. 8 no.2:  
133-136 '62.

1. Instituto for Cardiovascular Research, Prague; Director: Academician  
K. Weber Embryological Institute, Medical Faculty Charles University,  
Prague; Director: Prof. Z. Frankenberger Institute of Human Nutrition,  
Prague-Krc; Director: Prof. Dr. J. Masek.

(MAST CELLS physiology) (LIPIDS metabolism)

HUNGARY

ZEMPLENI, Tibor; SZOKE, Sandor (Mrs); and technical workers; State Institute for Food and Nutrition (Orszagos Elelmezes- es Taplalkozas-tudomanyi Intezet)

"The Effect of Copper on the Vitamine C Utilization in the Rat and Guinea Pig."

Budapest, Kiserletes Orvostudomany, Vol XIV, No 6, 1962, pp 581-586.

Abstract: [Authors' summary modified] Traces of copper in the food was given to animals and they were tested for their influence on the vitamine C utilization. Upon addition of 15 mg per day copper, the Cu content of the liver increased 13 fold in rats while their weight and the relative weight of their organs remained unchanged. Guinea pigs receiving the same amount of Cu showed a 3 fold increase of Cu in the liver, the weights again remaining unchanged. The vitamine C content of the adrenals was somewhat decreased, that of the liver unchanged. The serum alkaline phosphatase level was considerably decreased in young animals. 15 mg/day Cu over a 2 months period damages the vitamine C utilization. This is mainly significant in the young.

[6 Soviet-bloc, 11 Western references]

1/1

ZEMPLÉNYI, I.; NAGY, B.

Recent data on the evaluation of infant mortality. Orv. hetil.  
105 no.33:1579-1581 16 Ag '64.



ZEMPLENYI I. Egészségtani oktatás a népiskolában Health education in elementary schools Orvosok Lapja, Budapest 1947, 3/34 (1368-1370)

Public health requires education of the whole population in hygiene. Education through the press, broadcasting, books, societies etc., reaches only a thin stratum. The elementary school (now compulsory in Hungary) should be the centre of health teaching. This requires properly trained teachers; every teachers' college should have a qualified medical man on its staff and hygiene should be made a fundamental part of the curriculum should be drawn up with qualified medical assistance.

Huszar-Budapest

SO: Medical Microbiology and Hygiene, Section IV, Vol. I, #1-6

ZEMPLÉNYI I. A bányász munkaruha kérdése The problems of occupational clothes  
for miners Orvosok Lapja, Budapest 1947, 3/46 (1940-1942)

SO: Medical Microbiology and Hygiene, Section IV, Vol. I, #1-6

ZEMPLENYI, I. 1948

"Modernization of Public Health in Hungary."

Orvosok Lapja, Budapest, 1948 4/18(269-271)  
No abst. in Exc. Med.

ZEMPLENYI, T.

The determination of the binding capacity of serum proteins for Congo red and its application in investigating the "clearing reaction".  
Rev. Czech. M. 4 no.3:189-201 1958.

1. Institute for Cardiovascular Research, Prague. Director: Prof. K. Weber.

(BLOOD PROTEINS,

binding capacity for Congo red & application in study of lipoprotein lipase)

(LIPASES, in blood

lipoprotein lipase, study by blood protein binding by Congo red)

(ANILINE DYES,

Congo red binding of blood proteins, application in study of lipoprotein lipase)

EXCERPTA MEDICA Sec 5 Vol.11/9 Pathology Sep 58

2123. SPECIES AND SEX DIFFERENCES IN FATTY ACID RELEASE BY TISSUES INCUBATED WITH LIPAEMIC HUMAN SERUM - Zemplényi T. and Grafnetter D. Inst. for Cardiovasc. Res., Prague - BRIT.J.EXP. PATH. 1958, 39/1 (99-108) Graphs 6 Tables 2

Incubation of a tissue brei with lipaemic human serum and estimation of freed un-esterified fatty acids enables the lipolytic (lipoproteinolytic) activity of tissues to be estimated. Organs from the rat and from other species more susceptible to experimental atherosclerosis (rabbit, cock, guinea-pig, hamster) were compared for lipolytic activity, using human lipaemic serum (male) as substrate. Heart and lung from male rats have a lower activity, liver and fat tissue a higher activity than rabbit males. The other species show the same approximate relationship to the rat, although they were not examined in the same detail. In females, rats and rabbits, the ratio of activities is the reverse in myocardium and adipose tissue. Rat aorta has a marked lipolytic activity, rabbit aorta practically none. Lipolysis by guinea-pig aorta, in relation to the rat, is low. Female rat myocardium has a higher lipolytic activity than male myocardium. The possible relation of the above to the pathogenesis of atherosclerosis is discussed. (V, 2\*)

ZEMPLÉNYI, Tibor; SZÖKE, Sándor; technical munkatarsak: ASBOTH, Karolyne;  
LORINCZ, Klara; PAJOS, Istvan

The effect of copper on the vitamin C metabolism of rats and guinea  
pigs. Kiserl. orvostud. 14 no.6:581-586 D '62.

1. Orszagos Elelmezes- es Taplalkozastudomanyi Intezet.  
(ASCORBIC ACID) (COPPER) (LIVER) (ADRENAL GLANDS)

ZEMPLÉNYI, I.

Comments of Dr. Gyorgy Losonczy's article: "The concept of infection during hospitalization and the explanation of this problem."  
Nepegeszsegugy 44 no.1:28-29 Ja '63.  
(CROSS INFECTION)

EXCERPTA MEDICA Sec 18 Vol 4/3 Cardiovas. Dis. Mar 60

922. Relationship of lipolytic and esterolytic activity of the aorta to susceptibility to experimental atherosclerosis ZEMPLÉNYI T., LOJDA Z. and GRAFNETTER D. Inst. for Cardiovasc. Res., Prague-Křesťanská. Res. 1959, 7/3 (286—290) Graphs 1 Tables 1 Illus. 4

Lipolytic (lipoproteinolytic) and esterolytic activity of the aortas of rats and other species less resistant to experimental atherosclerosis, were compared (rabbit, guinea-pig, golden hamster, and cock; in the last-named only lipolytic activity was measured). Nonspecific esterase and AS-esterase were estimated histochemically by an azo-coupling method with the use of  $\alpha$ -naphthol acetate or naphthol AS-acetate as substrate. Lipolytic activity was estimated biochemically in terms of the amount of unesterified fatty acids freed during incubation with hyperlipaemic serum. Lipolytic activity in the aorta of species susceptible to experimental atherosclerosis is lower than in the aorta of rat, the latter being a very resistant species. The histochemical results were in good agreement with the above, and presented information on the localization of enzymatic activity in individual layers of the vessel wall. (XVIII, 2\*)



ZEMPLENYI, T.; GRAFNATTER, D.

Lipolytic activity of tissues & its relation to the susceptibility of arteriosclerosis. Cas. lek. cesk. 97 no.20:638-643 16 May 58.

1. Ustav pro choroby obehu krevniho Praha-Krc, prednosta prof. Dr. Kl. Weber. T. Z., Praha-Krc, Budejovicka 800.

(ARTERIOSCLEROSIS, exper.

lipolytic activity of various rat organs, comparison with rabbit, cock, guinea pig & hamster (Cz))

(FATS, metab.

lipolytic activity of various rat organs, comparison with rabbit, cock, guinea pig & hamster, relation to arteriosclerosis susceptibility (Cz))

*ZEMPLÉNYI, T.*  
FODOR, J.; *ZEMPLÉNYI, T.*; LOJDA, Z.; FELT, VI.

Effect of heparin & protamine sulphate on cholesterol induced atheromatosis in rabbits. Cas. lek. cesk. 97 no.10:316-319 7 Mar 58.

1. Ustav pro chorobyobehu krevního Praha, prednosta prof. Dr Kl. Weber.-  
Embryologicky ustav lebarske fakulty Praha, prednosta prof. Dr. Z. Frank-  
enberger. J. F., Praha-Krc, Budejovicka 800.

(ARTERIOSCLEROSIS, exper.

cholesterol induced atheromatosis, eff. of heparin  
& protamine sulfate in rabbits (Cz))

(CHOLESTEROL, eff.

induction of atheromatosis in rabbits, eff. of heparin  
& protamine sulfate (Cz))

(HEPARIN, eff.

on cholesterol induced atheromatosis in rabbits (Cz))

(PROTAMINES, eff.

protamine sulfate on cholesterol induced atheromatosis  
in rabbits (Cz))

ZEMPLENYI, T.

SCIENCE

Periodicals: CESKOSLOVENSKA FYSIOLOGIE Vol. 4, no. 4, 1955

ZEMPLENY, T.: REICHL, D.: GAL, T: Effects of heparin on the clearing of lipidic serum; "prealbumin" components. p. 467.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 5,  
May 1959, Unclass.

CZECHOSLOVAKIA / Pharmacology. Toxicology.  
Anticoagulants.

V

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13913  
Author : Fodor, J.; Zemplenyi, T.; Lojda, Z.; Felt, Vl.  
Inst : -  
Title : The Effect of Heparin and Protamin Sulfate on  
Atheromatosis, Induced by Cholesterol in Rabbits.  
Orig Pub : Casop. lekaru ceskych, 1958, 97, No. 10, 316-319  
Abstract : In rabbits (44) with experimental cholesterol  
atheromatosis, heparin intravenously and protamin  
sulfate subcutaneously was alternately introduced.  
It was established that both preparations shorten  
the rate of experimental atheromatosis.

Card 1/1

ZEMPLENYI, T.

Problem of the relation of the chest leads (CF, CR, CL) to the  
extremity potentials. Cas. lek. cesk. 89 no.31:861-867 4 Aug  
1950. (CLML 20:1)

1. Of the Internal Department of the State District Hospital in  
Prague-Motole (Head--Prof. Milos Netousek, M.D.)

FRONEK, Arnost, MUDr.; GANZ, Vilem, MUDr.; HAMMER, Jan, MUDr.;  
PISA, Zbynek, MUDr.; ZEMPLENYI, Tibor, MUDr.; za tech. spoluprace:  
STEIDLOVE, Aloisie; VELATOVE, Anny

Skin resistance in ischemic heart disease. Vnitr. lek., Brno 1  
no.5:333-339 May 55.

1. Ustav pro choroby obehu krevniho v Praze-Krci, reditel prof.  
MUDr. Kl. Weber.

(SKIN, physiology  
resist. in ischemic heart dis.)  
(HEART DISEASE  
ischemic, skin resist.)

EXCERPTA MEDICA Sec 6 Vol 13/7 Internal Med. July 50  
3746. THE DETERMINATION OF THE BINDING CAPACITY OF SERUM PRO-  
TEINS FOR CONGO RED AND ITS APPLICATION IN INVESTIGATING  
THE 'CLEARING REACTION' - Zemplényi T, Inst. for Cardiovasc.  
Res., Prague - REV. CZECH. MED. 1958, 4/3 (189-201) Graphs 6 Tables 1  
A simple method of following the binding capacity of serum proteins is based on the  
competitive adsorption of Congo red on filter paper. The method enables the inter-

ZEMPLENYI, T. LOJDA, Z.; GRAFNETTER, D

"Specie differences in the lipolytic and esterolytic capacity of the aorta."

CESKOSLOVENSKA FYSIOLOGIE, Praha, Czechoslovakia, Vol. 7, no. 4, July 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59  
Uncles



EXCERPTA MEDICA Sec 20 Vol 2/9 Gerontology Sept 59

1177. **Lipolytic activity of tissues and its relation to susceptibility to atherosclerosis** Lipolyticka schopnost tkani a jeji souvislost s vnimavosti k aterosklerose. ZEMPLENYI T. and GRAFNETTER D. Ust. pro Choroby Obchu Krevniho, Praha-Krc *Cas. Lek. Ces* 1958, 97/20 (638-643) Graphs 6 Tables 1

Lipolysis was estimated by incubation of a tissue brei with lipaemic human serum, with determination of the amount of liberated unesterified fatty acids. Lipolytic activity of male rat heart and lungs is lower, liver and perirenal fat higher, than the corresponding tissues of the female. In rat and rabbit females the ratio of activity of cardiac and fat tissue is the reverse of that in males. Female rat heart has a higher lipolytic activity than male heart. Rat aorta has a very high activity, rabbit aorta a very low one. Guinea-pig and cock aortae are also low in comparison with the rat. Aortic tissue activity in old rats and in young rats is significantly lower than that of adult animals.

(II, 8, 18, 20)

EXCERPTA MEDICA Sec 2 Vol 12/7 Physiology July 59

2605. BINDING CAPACITY OF SERUM PROTEINS FOR CONGO RED AS  
DETERMINED BY ADSORPTION ON FILTER PAPER - Vazební schopnost  
krevních bílkovin pro konžskou červen, určovaná adsorpcí na filtrační  
papír - Zemplényi T. Úst. pro Chor. Oběhu Krevn., Praha-Krč -  
CAS. LEK. CES. 1958, 97/39 (1230-1236) Graphs 6

A simple method of following binding capacity of serum proteins, on the basis of  
competitive adsorption on filter paper, is described. This method permits the  
interaction of serum proteins with other anions which have a high affinity for pro-  
teins (e.g. long chain fatty acids, salicylic acid, dodecyl sulphate, heparin and  
suramin). After i.v. injection of heparin, triglycerides are broken down under  
the influence of activated lipoprotease and the freed fatty acids are bound primarily  
by albumin. The change in binding capacity of proteins, as followed by the method  
described, is a sensitive indicator of this reaction.

ZEMPLENYI, T.; FODOR, J.; IOJDA, Z.

Histamine in fat cells and absorption of colloidal particles by the vascular epithelium. *Cesk. fysiол.* 8 no.3:263-264 Apr 59.

1. Ustav pro choroby obehu krevniho Embryologicky ustav KU, Praha.  
Predneseno na III. fysiologickych dnech v Brne dne 15. 1. 1959.

(HISTAMINE, eff.

on vasc. absorp. of colloidal fat particles (Cz))

(BLOOD VESSELS, physiol.

absorp. of colloidal fat particles, eff. of histamine (Cz))

(FAT, metab.

vasc. absorp., eff. of histamine (Cz))

ZEMPLENYI, T.; IOJDA, Z.; GRAFNETTER, D.

Species variability in lipolytic and esterolytic properties of the aorta.  
Cesk. fysiол. 7 no.4:355-356 July 58.

1. Ustav pro choroby obehu krevniho, Praha--Krc; Embryologicky ustav  
KU, Praha.

(AORTA, metabolism,

lipolytic & esterolytic properties, in various animals (Cz))

(LIPASES,

in aorta in various animals (Cz))

(ESTERASES,

same)

ZEMPLENYI, T.

Binding capacity of blood proteins for Congo red as determined by filter paper absorption. Cas. lek. cesk. 97 no.39:1230-1236 26 Sept 58.

1. Ustav pro choroby obehu krevniho, Praha-Krc, prednosta prof. dr. K. Weber.

(BLOOD PROTEINS

binding capacity, determ. by filter paper absorp. (Cz))

EXCERPTA MEDICA Sec 2 Vol 12/2 Physiology Feb 59

656. THE DETERMINATION OF THE BINDING CAPACITY OF SERUM PROTEINS FOR CONGO RED AND ITS APPLICATION IN INVESTIGATING THE 'CLEARING REACTION' - Zemplényi T. Inst. for Cardiovasc. Res., Prague - REV. CZECH. MED. 1958, 4/3 (189-201) Graphs 6 Tables 1

A simple method of following the binding capacity of serum proteins is based on the competitive adsorption of Congo red on filter paper. The method enables the interaction of serum proteins with other anions to be followed, if these latter have a greater affinity for protein than Congo red (e.g. long-chain fatty acids, salicylate, dodecyl sulphate, heparin, suramin). After i.v. injection of heparin, fatty acids freed by heparin-activated lipoprotein lipase are bound mainly on albumin. A change in binding capacity of protein followed by this method is a sensitive indicator of the clearing reaction.

(II, 1, 6\*)

EXCERPTA MEDICA Sec 2 Vol 12/5 Physiology May 59

1660. SPECIES AND SEX DIFFERENCES IN FATTY ACID RELEASE BY TISSUES INCUBATED WITH LIPAEMIC HUMAN SERUM - Zemplényi T. and Grafnetter D. Inst. for Cardiovasc. Res., Prague - BRIT. J. EXP. PATH. 1959, 39/1 (99-108) Graphs 6 Tables 2

Incubation of a tissue brei with lipaemic human serum and estimation of freed un-esterified fatty acids enables the lipolytic (lipoproteinolytic) activity of tissues to be estimated. Organs from the rat and from other species more susceptible to experimental atherosclerosis (rabbit, cock, guinea-pig, hamster) were compared for lipolytic activity, using human lipaemic serum (male) as substrate. Heart and lung from male rats have a lower activity, liver and fat tissue a higher activity than rabbit males. The other species show the same approximate relationship to the rat, although they were not examined in the same detail. In females, rats and rabbits, the ratio of activities is the reverse in myocardium and adipose tissue. Rat aorta has a marked lipolytic activity, rabbit aorta practically none. Lipolysis by guinea-pig aorta, in relation to the rat, is low. Female rat myocardium has a higher lipolytic activity than male myocardium. The possible relation of the above to the pathogenesis of atherosclerosis is discussed. (V, 2)

EXCERPTA MEDICA Sec 2 Vol 12/1 Physiology Jan 59

139. LIPOLYTIC ACTIVITY OF TISSUES AND ITS RELATION TO SUSCEPTIBILITY TO ATHEROSCLEROSIS - Lipolytická schopnost tkání a její souvislost s vnímavostí k aterosklerose - Zemplényi T. and Grafnetter D. Ust. pro Choroby Oběhu Krevního, Praha-Krc - ČAS. LÉK. ČES. 1958, 97/20 (638-643) Graphs 6 Tables 1

Lipolysis was estimated by incubation of a tissue bri with lipaemic human serum, with determination of the amount of liberated unesterified fatty acids. Lipolytic activity of male rat heart and lungs is lower, liver and perirenal fat higher, than the corresponding tissues of the female. In rat and rabbit females the ratio of activity of cardiac and fat tissue is the reverse of that in males. Female rat heart has a higher lipolytic activity than male heart. Rat aorta has a very high activity, rabbit aorta a very low one. Guinea-pig and cock aortae are also low in comparison with the rat. Aortic tissue activity in old rats and in young rats is significantly lower than that of adult animals.

(11, 8, 18)



EXCERPTA MEDICA SEC 18 Vol 3/1 Cardio. Dis. Jan 59

238. *Lipolytic activity of tissues and its relation to susceptibility to atherosclerosis* Lipolytická schopnost tkání a její souvislost s vnímavostí k aterosklerose. ZEMPLÉNYI T. and GRAFNETTER D. Úst. pro Choroby Oběhu Krevního, Praha-Krč. Čas. Lék. Čes. 1958, 97/20 (638—643) Graphs 6 Tables 1

Lipolysis was estimated by incubation of a tissue brei with lipaemic human serum, with determination of the amount of liberated unesterified fatty acids. Lipolytic activity of male rat heart and lungs is lower, liver and perirenal fat higher, than the corresponding tissues of the female. In rat and rabbit females the ratio of activity of cardiac and fat tissue is the reverse of that in males. Female rat heart has a higher lipolytic activity than male heart. Rat aorta has a very high activity, rabbit aorta a very low one. Guinea-pig and cock aortae are also low in comparison with the rat. Aortic tissue activity in old rats and in young rats is significantly lower than that of adult animals. (II, 8, 18)

REICHL, D.; GAL, T.; ZEMPLENYI, T.

Effect of heparin on clearing of lipemic serum; so-called pre-albumin fraction. Chekh. fiziol. 4 no.4:438-443 1955.

1. Issledovatel'skiy institut zabolevaniy krovoobrashcheniya, Praga.

(HEPARIN, effects,  
clearing of blood lipoproteins, pre-albumin fraction)  
(LIPOPROTEINS, in blood,  
heparin clearance, pre-albumin fraction)  
(BLOOD,  
lipoproteins, heparin clearance, pre-albumin fraction)

REICHL, D.; GAL, T.; ZEMPLENYI, T.

Effect of heparin on lipemia; so-called prealbumin compounds.  
Cesk. fysiол. 4 no.4:467-471 22 Oct 55.

1. Ustav pro choroby obehu krevniho, Praha.

(LIPOPROTEINS, in blood,  
pre-albumin cpds., eff. of heparin.)

(BLOOD,  
pre-albumin cpds. after ingestion of fat, eff. of  
heparin)

(HEPARIN, effects,  
on blood pre-albumin cpds. after ingestion of fat)

ZEMPLENYI, T.; GANZ, V.; PISA, Z.; technicke spoluprace: VELATOVE, A.

Relation of some U-wave changes to coronary artery diseases and hypertension. Vnitr. lek., Brno 1 no.7:518-527 July 55.

1. Ustav pro choroby obehu krevniho v Praze-Krci, reditel prof. MUDr. Kl. Weber. Ustav pro choroby obehu krevniho v Praze-Krci, Budejovicka 800.

(CORONARY DISEASES, diagnosis

ECG, U wave changes.)

(HYPERTENSION, complications

coronary dis., ECG, U wave changes.)

(ELECTROCARDIOGRAPHY, in various diseases

coronary dis. alone & with hypertension.)

GANZ, V.; HAMMER, J.; PILAR, J.; PISA, Z.; ZEMPLENYI, T.

Working test with ECG recording during physical effort.  
Vnitr. lek., Brno 1 no.6:423-426 June 55.

1. Ustav pro choroby obehu krevniho, Praha, Krc, reditel  
prof. Dr. Kl. Weber, Ustav pro choroby obehu krevniho,  
Praha-Krc.

(PHYSIOLOGY

working test, ECG eff. of phys. effort.)

(ELECTROCARDIOGRAPHY

in working test, eff. of phys. effort.)

(EXERCISES, effects

phys. effort on ECG in working test.)

GANZ, V.; HAMMER, J.; PILAR, J.; PISA, Z.; ZEMPLENYI, T.

Working test with ECG recording during physical effort.  
Vnitř. lek., Brno 1 no.6:423-426 June 55.

1. Ústav pro choroby oběhu krve, Praha, Krc, ředitel  
prof. Dr. Kl. Weber, Ústav pro choroby oběhu krve,  
Praha-Krc.

(PHYSIOLOGY

working test, ECG eff. of phys. effort.)

(ELECTROCARDIOGRAPHY

in working test, eff. of phys. effort.)

(EXERCISES, effects

phys. effort on ECG in working test.)

GANZ, V.; HAMMER, J.; PILAR, J.; PISA, Z.; ZEMPLENYI, T.

Working test with ECG recording during physical effort.  
Vnitr. lek., Brno 1 no.6:423-426 June 55.

1. Ustav pro choroby obehu krevniho, Praha, Krc, reditel  
prof. Dr. Kl. Weber, Ustav pro choroby obehu krevniho,  
Praha-Krc.

(PHYSIOLOGY

working test, ECG eff. of phys. effort.)

(ELECTROCARDIOGRAPHY

in working test, eff. of phys. effort.)

(EXERCISES, effects

phys. effort on ECG in working test.)

ZEMPLENYI, T.

The determination of the spatial ventricular gradient; a contribution to the problem of the spatial vector in electrocardiography. Chekh. fiziol. 3 no.3:333-343 1954.

1. Institute for Research into diseases of the circulatory system, Prague-Krc.

(ELECTROCARDIOGRAPHY,  
spatial ventric. gradient)



ZEMPLENYI, T., MUDr; BECK, W., MUDr; SMEJKALOVA, M., MUDr; RAUCHENBERG, M.,  
MUDr

Implantation stenosis of liver carcinoma to the heart with a clinical  
picture of valvular lesions. Cas. lek. cesk. 93 no.43:1194-1198  
22 Oct 54.

1. Z Int. odd. st. obl. nem. v Praze-Motole, prednosta prof. MUDr  
V.Jonas. (for Zemplenyi, Beck, Smejkalova) 2. Z prosektury st.  
obl. nem. v Praze-Motole, prednosta primar MUDr M.Rauchenberg.  
(for Rauchenberg)

(HEART, neoplasms,  
metastatic from liver, differ. diag. from valvular  
lesions)

(LIVER, NEOPLASMS,  
metastatic to heart, simulating valvular lesions)

(CARDIAC VALVES, diseases,  
differ. diag. from carcinoma of heart metastatic from liver)

ZEMPLENI, T. KISS A.

Z. EGRI. A. ZIVUSKY, Építés-Epítészet, V. 11, 1950, n. 11-12,  
Nov. Dec.

2A

7

Dependence of the temperature of nondiffusional transformations in metastable brasses on the zinc content. V. Ganenko and T. Zempir, *J. Tech. Phys.* (U. S. S. R.) 10, 571-3 (1940).—The metastable  $\beta$ -phase was produced by quenching of samples from 840–850° to –8 or –10° in a 10% soln. of NaOH in water. X-ray studies show that (1) in alloys contg. up to 40.83% by wt. of Zn the transformation into the nondiffusional  $\beta'$  phase takes place at temps. higher than 95°K.; (2) in the alloys contg. 41.01% Zn the transformation occurs at temps. lower than 83°K.; and (3) in alloys contg. more than 41.01% Zn, the  $\beta'$  phase does not appear even at temps. as low as 36°K. The relation of transformation temp. to Zn content is linear. Extrapolation indicates that in the alloys contg. more than 42.3% the  $\beta'$  phase will not be present even at the lowest possible temp.

Roksalana Gamow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

GRAINETTER, D.; ZEMPLENYI, T.

Properties of tissue lipolytic enzymes and of so-called clearing factor  
in incubation with lipemic serum. Cesk. fysiол. 7 no.5:457-458 Sept 58.

1. Ustav pro choroby obehu krevniho, Praha.

(LIPASES,

lipoprotein lipase & tissue lipolytic enzymes, incubation  
with lipemic serum (Cz))

LOJDA, Z.; ZEMPLENYI, T.

Histochemistry of certain enzymes in experimental atheromatosis in rabbits. Cesk. fysiол. 7 no.5:503-504 Sept 58.

1. Embryologicky ustav lek. fak. KU a Ustav pro choroby obehu krevniho, Praha.

(ENZYMES,

histochem. in exper. arteriosclerosis in rabbits (Cz))

(ARTERIOSCLEROSIS, exper.  
enzymatic histochem. (Cz))

ZEMPLENYI, T.; GRAFNETTER, D.

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